

## **Meeting Objectives**

- Summarize Project Quality Management Meeting
- Review Project Scope (Phase I)
- Roles and Responsibilities
- Report on Ongoing and Upcoming Tasks (Phase I)
- Confirm Communication Protocols
- Review Project Schedule (Phase I and II)

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# Project Quality Management Summary





## What is PQM?

- Step back from specific project details and look at the big picture
  - What is the project going to accomplish?
  - Why is it important?
  - What do we need to ensure success?
  - What might hamper our success and how do we deal with it?
- Process is a team approach
  - Active participation
  - Develop a thorough understanding of the project
  - Team commitment to project success

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## Purpose of PQM

- Clarify key project stakeholders roles and responsibilities
- Develop a clear understanding of the purpose, goals/objectives and expectations of the project
- Develop consensus on the most important factors (CSFs) necessary to ensure a successful project
- Develop plan of action and schedule (PATs, processes, activities and tasks) that will help the project team meet the project objectives





## Mission Statement (DRAFT)

The CDM Smith team, working with the Connecticut Water Planning Council, will produce a State Water Plan for approval by the State Legislature that builds on, and advances the ongoing work of the Council, its Steering Committee, Work Groups, and Advisory Group. The Plan will identify water management issues and opportunities for which consensus policy recommendations could be achieved by stakeholders before March 2017, and as applicable, will provide recommendations for legislative or regulatory changes. Where consensus is not a reasonable expectation for certain issues, the Plan will outline pathways forward that may include additional information needs, decision processes, and a recommended management framework to guide the continuing work. Consumptive and non-consumptive issues to be discussed and advanced, with consideration of economic impacts, public health and safety, and environmental impacts, may include, but are not necessarily limited to;

- Regionalization and system interconnections/expansions
- Climate change adaptation
- Use of reclaimed water for non-potable needs
- Conservation practices and increased use of non-potable natural water for irrigation and industry
- Non-consumptive water needs for ecology and recreation
- Aging infrastructure
- Interbasin transfers
- Capacity of water systems to meet demand
- Agricultural practices
- Registered diversions

This process will include participation from stakeholders and will be transparent and understandable to the citizens of Connecticut.

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### Critical Success Factors: PROJECT MANAGEMENT

 We must clarify the critical path and assign a dedicated team to meet scope and achieve the aggressive schedule within the project budget.

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### Critical Success Factors: PROTOCOLS

• We must establish a decision-making framework and communication protocols allowing for all input to be heard and catalogued. Recognizing that not everyone will agree by March 2017, identify which water management issues have consensus for resolution and which are unresolved and require future paths forward.







### Critical Success Factors: DATA

- We must obtain, in a timely manner, and utilize current, scientifically defensible data and analysis techniques with appropriate documentation of sources.
- We must consider data at an appropriate scale to the state water plan; and present in such a manner that is acceptable to the data suppliers and understandable to the public.

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### Critical Success Factors: STAKEHOLDERS

- We need to identify as many stakeholders as possible, communicate to them what the process entails and invite them to get involved in various components of the project including providing input, asking questions, and reviewing outcomes.
- We must also provide timely updates, information, and status of the project.

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### Critical Success Factors: DECISION MAKING

- We need balance to ensure that all stakeholder interests and potential impacts of decisions are given due weight.
- We must achieve project goals and make group decisions on schedule in a manner that is definitive and inclusive.

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## **Critical Success Factors: OUTCOMES**

- We must develop water supply objectives that balance the factors in the legislation which include, but not limited to:
  - Supply reliability
  - Public health and safety
  - Environmental and recreational needs
  - Use and expansion of infrastructure
  - Incentives for conservation and reuse.
- We must determine a path forward to resolve conflicts through a consistent and fair decision making process based on facts and data
- We must create a plan that can be adopted and implementable, and include incentives for adoption of policies and provide a mechanism for updates.

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## Critical Success Factors: FINAL REPORT

• We need an easy-to-read, implementable report and executive summary that the WPC and Legislature can understand and approve.

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## Critical Success Factors: POLITICAL PROCESS

 We must demonstrate the value of the plan and build open, balanced political support while acknowledging it may not solve all of Connecticut's water issues.

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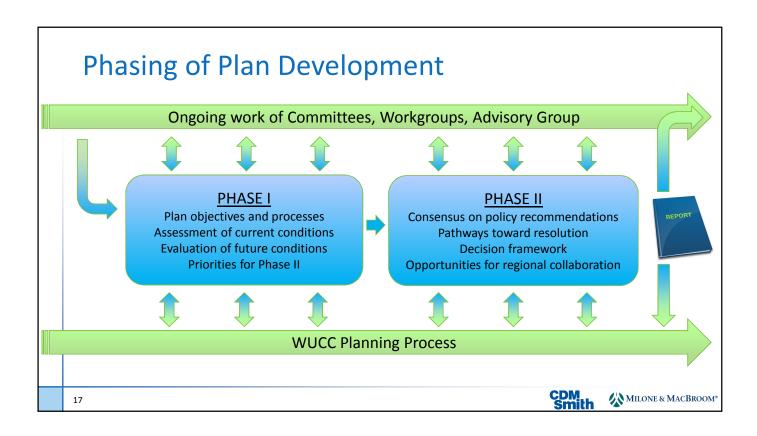


# **Basis of Scope**

- Build on work to date of Committees and Advisory Group
- 17 Primary Goals outlined in RFQ
- Annotated Table of Contents developed by the Other States' Plans Workgroup (OSPW)

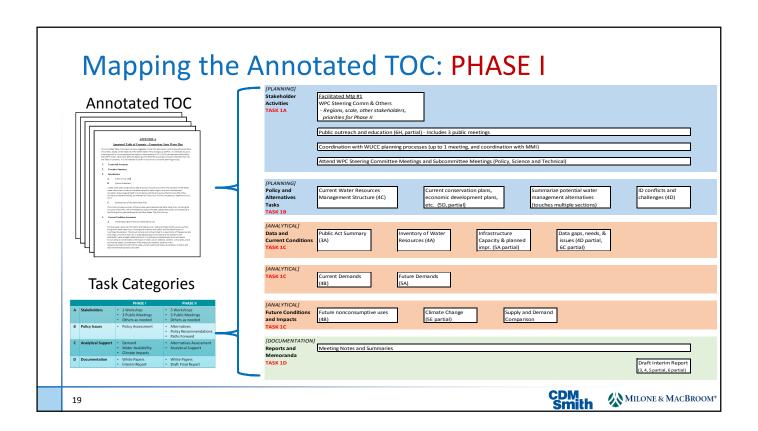
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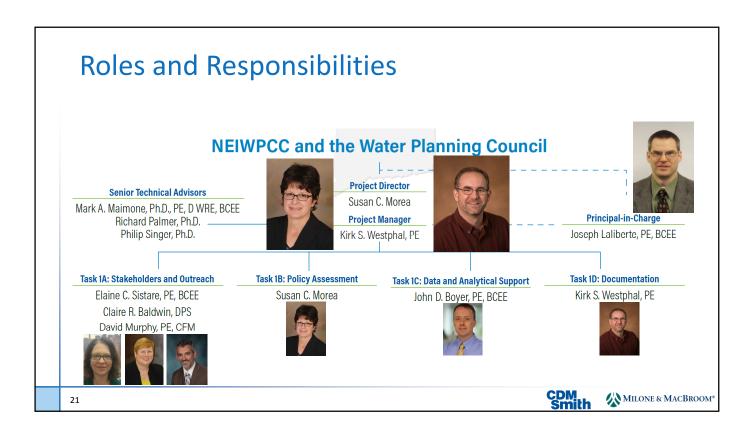
		PHASE I	PHASE II
Α	Stakeholders	<ul><li>1 Workshop</li><li>3 Public Meetings</li><li>Others as needed</li></ul>	<ul><li>5 Workshops</li><li>3 Public Meetings</li><li>Others as needed</li></ul>
В	Policy Issues	Policy Assessment	<ul><li>Alternatives</li><li>Policy Recommendations</li><li>Paths Forward</li></ul>
c	Analytical Support	<ul><li>Demand</li><li>Water Availability</li><li>Climate Impacts</li></ul>	<ul><li>Alternatives Assessment</li><li>Analytical Support</li></ul>
D	Documentation	<ul><li>White Papers</li><li>Fact Sheet on Process</li><li>Interim Report</li></ul>	<ul><li>White Papers</li><li>Fact Sheet on Decisions</li><li>Draft Final Report</li></ul>















## Task 1A: Stakeholders and Outreach

- COMPLETE: PQM Workshop Completed June 29
- Facilitated Workshop Fall of 2016
  - Regions/Scales
  - Stakeholder ID
  - Priorities for Phase II
- Meetings with Other Stakeholders (as needed)
- 3 Public Meetings to disseminate information and answer questions (same topics/themes, divided geographically)
- NEXT STEP: Fact sheet on the planning process for existing state website
- ONGOING: Attend regular WPC SC, WPCAG, Policy Subcommittee, and Sci/Tech Subcommittee meetings
- ONGOING/NEXT STEP: Coordination with WUCC Process: Attended kickoff meetings, will review progress/objectives/processes/data with MMI

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# Facilitated Stakeholder Workshops

#### PHASE I

- Plan Framework:
  - Regions
  - Scale
  - Stakeholder ID
  - Priorities

#### PHASE II

- Alternatives
- Policy vs. Pathways
- Paths Forward
- Policy Recommendations
- Plan Recommendations

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## Task 1B: Current Policy Assessment

#### **PHASE I**

- NEXT STEP: Management Structure
- NEXT STEP: Conservation Plans and Economic Development Trends
- Identify Water Management Alternatives for Phase II
- Conflicts and Challenges
- White papers will be issued for each topic
- MMI's familiarity with CT history will be very helpful

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### Task 1C: Technical Condition Assessment

#### PHASE I

- Water Supply Inventory
- Infrastructure Summary
- Water Demands
  - Consumptive
  - Nonconsumptive
  - Current
  - Future
- Climate Impacts
- Data Gaps

#### PHASE II

- Alternatives Assessment
- Water Conservation
- Climate Resiliency







## Task 1C (cont'd): Technical Evaluations

- ONGOING: Data Quality Plan (per NEIWPCC guidelines)
  - "Secondary Data" usage
  - Ensure data are traceable and procedures documented
  - Caveat data as necessary (with consistent classifications for use)
  - Will not use any data until Data Quality Plan is approved by NEIWPCC and participating committees
- NEXT STEP: Water Resources Inventory (current status)
  - Quantity and quality
  - Surface water and groundwater
  - Based on available information, may be regionalized for study purposes and dissemination
- NEXT STEP: Infrastructure Capacity and Planned Improvements
  - Storage
  - Interconnections
  - Reclaimed water
  - Etc.

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# Task 1C (cont'd): Technical Evaluations

- NEXT STEP: Demand Assessment
  - Current
  - Future
  - Consumptive
  - Non-consumptive
- Climate Change Assessment
  - Potential climate trends
  - Relative impacts on state's water resources and infrastructure

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# Phase I Documentation and Key Deliverables

- Meeting notes and summaries
- Approved Data Quality Plan
- Fact Sheet about the planning process for website
- White papers on current policy assessment (will become report sections)
- Technical memoranda on supply, demand, infrastructure, data gaps, climate change (will become report sections)
- Interim Report on Planning Framework (Phase I)

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# **Administrative Issues**







## **Communication Protocols**

- All deliverables, formal or informal, will be distributed through NEIWPCC
- All communication shall be directed through NEIWPCC, with relevant parties copied





